

ARCS PROCEDURE	DCP REPROGRAMMING	PRO(BBSS)-020.000
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## DCP Reprogramming

### I. Purpose:

This procedure explains how to reprogram the DCP platform from the Digicora in case of loss of the program. In addition, the procedure describes how to check whether the DCP program is running or lost.

### II. Cautions and Hazards:

None.

### III. Requirements:

None.

### IV. Procedure:

#### A. Checking DCP Program

1. Open the DCP hyper terminal program and press **Enter**.
2. If an "R" or an "S" appears, the program is running, in which case disconnect hyper terminal and prepare for balloon launch.
3. If an "R" or an "S" does NOT appear, the DCP program is likely "lost." The loss of the program is indicated by one of the following symptoms:
  - a) The DCP (with the red lead connected) will not send the "S" or "R" prompt when the DCP hyper-terminal program is opened and the enter key is hit.
  - b) The DCP (with the red lead connected) gives a "P" message when the enter key is hit.
  - c) The DCP (with the red lead connected) gives a message "memory lost."
4. If it is determined that the DCP program is lost, proceed to step B to restore it.

#### B. Reprogramming DCP

1. Connect the blue lead to the DCP. (This is the one that connects to the Digicora.)
2. Turn on the Digicora and wait until the power-up sequence is finished.
3. Accept or correct the time displayed on the Digicora.

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4. On the menu click on the “BATSEND” button.
5. A new menu will be display – Click on the “SETUP” button. (The display will flash for a while- wait until it stops.)
6. The time will be displayed again – Click on the “ACCEPT” button. (The display will flash for a while- wait until it stops.)
7. A new menu will be displayed – Click on the “EXIT” button.
8. On the new menu click on the “METSEND” button.
9. A new menu will be displayed – Click on the “SETUP” button. (The display will flash for a while- wait until it stops.)
10. The time will be displayed again – Click on the “ACCEPT” button. The display will flash for a while – Wait until it stops.
11. A new menu will be displayed – Click on the “EXIT” button.

**C. Confirming Re-installation of DCP Program**

1. Remove the blue lead and replace it with the red lead.
2. Open the DCP hyper terminal program and press **Enter**.
3. The “S” or “R” message should appear.
4. After confirming that the DCP program is running, disconnect and close down the hyper terminal.

**V. References:**

None.

**VI. Attachments:**

None.